

## DESCRIPTION

## PRODUCT COVERED:

USL, CNL - Combination Control/Communicator Models 5140XM, Vista 100, Vista-128FB, Vista-128FBP, Vista-250FBP, VISTA-250FBPADT, FA1600C, FA1700C and Vista-32FB intended for use with Model 1451 Transformer.

## ENGINEERING CONSIDERATIONS (NOT FOR UL REPRESENTATIVE USE):

##: For Canadian Versions Only

USL indicates evaluation to the following Standards:

- \*UL 609 -Local Burglar Alarm Units and Systems
- \*UL 365 -Police Station Connected Burglar Alarm Units and Systems
- \*UL 1610-Central Station Burglar Alarm Units
- \*UL 1635 -Digital Alarm Communicator System Units
- \*UL 864 -Control Units For Fire-Protective Signaling Systems.

CNL indicates evaluation to the Standard for Central and Monitoring Station Burglar Alarm Units, CAN/ULC-S304-M88, the Standard for Fire Protective Signaling Systems, CAN/ULC-S527-M89, and the Standard for Supervising Station Communication Systems, NFPA-72, Section 4-5.

Suitable for Local Protective Signaling System use when used with suitable sounding device. Compatible alarm indicating/notification appliances, with EOL supervision, shall be employed as indicated in the control unit's installation instructions. Battery and loading requirements shall be configured as described in the Installation Instructions to provide for 24 hours of normal standby power and at least 5 minutes of general alarm standby power. Combined auxiliary power and alarm currents shall not exceed 2.3 A.

Suitable for Central Station Protective Signaling Service when used with Model 7620ULF, 7720ULF or with Model 5140DLM for central station monitoring. Local alarm indicating/notification appliance use is optional subject to the requirements of the Local Authorities Having Jurisdiction. Battery and loading requirements shall be configured as described in the Installation Instructions for Central Station service.

Suitable for Remote Station Fire Alarm System Service when used with Model 5140DLM. Local alarm indicating/notification appliance use is optional subject to the requirements of the Local Authorities Having Jurisdiction. Battery and loading requirements shall be configured as described in the Installation Instructions for Remote Station service to provide 60 hours of normal standby power and at least 5 minutes of general alarm standby power.

## A total of eight operator keypads, (Model 6139CN or FA560KP) may be connected to each control unit by means of the four-wire bush provided.

## The Model 6137B, 6139B, 6150 and 6160 keypads are intended for use with the Vista-128FB control unit and are connected by means of the 4-wire bus.

##: When connected to SRRF signal receiver, Model 5882, wireless devices may be used.

Suitable for Grade A local mercantile Burglar Alarm Service when used with a Listed Burglar Alarm Sounding Device/Housing. Depending upon installation application a compatible Listed sounding device enclosure may also be required. As indicated in the Installation Instructions a Listed tamper switch shall be used to protect the control unit's cover and all conduit openings to the control shall be used or blocked. As a result of the attack test results described in File S789, Report dated August 12, 1992 the maximum entry delay time shall not exceed 45 s and maximum exit delay time shall not exceed 60 s. Suitable for safe and vault burglar alarm installations when also used with a shock sensor Listed for protection of sheet metal enclosures and a Listed tamper switch installed on the rear of the control unit.

Suitable for Grade A Police Station Connected Burglar Alarm System Service when the 24 hour test report is enabled, programmed for 24 hour Test Reporting, or can be used with Model 346 polarity reversing relay/voltage booster or Model 7720, or 7620ULF Long Range Radio, or 5140DLM Backup Dialer (Basic Line Security). Suitable for Grade AA (High Line Security) when used in conjunction with Model 445 direct wire transmitter or Model 7920SE Long Range Radio. The digital alarm communicator transmitter shall be programmed for UL installations as stated in the Installation Instructions.

Suitable for Grade C Central Station Service, Grade B Central Station Service when used with a Listed Mercantile Sounding Device. Depending upon the installation application a compatible Listed sounding device enclosure may also be required. Suitable for Grade A Central Station Service when used with Model 7720 Long Range Radio or Model 7620ULF Long Range Radio. One zone of the control panel shall be programmed as a 24-hour zone to supervise the radio unit. Suitable for Grade AA, BB or CC Central Station service when used with the 7920SE Long Range Radio as indicated in the installation instructions. As indicated in the Installation Instructions a Listed tamper switch shall be used to protect the control unit's cover and all conduit openings to the control shall be used or blocked. Suitable for safe and vault burglar alarm installations when also used with a shock sensor Listed for protection of sheet metal enclosures and a Listed tamper switch installed on the rear of the control unit.

The Vista 100 and 128FB Controls can be partitioned into a maximum of 8 areas. The Vista-32FB can only be partitioned into a maximum of 2 areas. All fire zones shall be assigned to partition 1. The manufacturers installation instructions shall be observed for all UL applications of zone partitioning.

Except for the following differences the Vista-32FB is identical to the Vista-128FB. The Vista-32FB:

- A) Has reduced software features.
- B) The primary transformer is mounted inside the control unit enclosure and is separated from the rest of the control unit wiring by a sheet steel frame.

The Vista-128FBP is identical to the Vista-128FB except for the addition \*of the following features: Internet Communication Module, cancel verify, Fire verify, Quick exit, Group bypass, Arm faulted, Stay1, Stay2, Auto stay silent burg, and tamper option each zone.

The Vista-250FBP is identical to the Vista-128FBP except that it supports 16 vista key modules, 250 zones, 250 users, 1000 event log, and 500 vista card holders.

The FA1700C is the First alert version of the Vista-250FBP).

The Vista-250FBPADT is identical to the Vista-250FBP except for ADT defaults and the changes in hardware and software to support the AC communicator module, Model 472491D. The AC Communicator module, Model 472491D, can only be used as a dedicated AC telephone line mode. The Vista-250FBPADT is suitable for used with the Internet Communication Module, Models 7845i, 7845i-ENT and the Premises Cellular Control Channel Transceiver, Model 7845C. The Models 7845i, 7845i-ENT and 7845C device must either be mounted in the control panel cabinet, or within 3 feet of the panel cabinet with wiring routed in conduit.

All commercial fire alarm installations shall comply with the installation requirements contained in NFPA 72 - National Fire Alarm Code. All UL commercial burglar alarm installations shall comply with the installation requirements contained in UL Standard 681, Installation And Classification of Burglar And Holdup Alarm Systems. Each control unit is intended to be used with other separately Listed devices as indicated in the manufacturer's Installation Instructions. Two wire and four wire smoke detectors shall be installed as specified by the control unit's installation instructions. The units are intended for the applications described in Table I.

## In order to provide fire protective signaling service, the Model Vista-128FB control units shall be provided with a backup signaling channel by means of the Model 7835CF cellular control channel transceiver, which is connected to the control unit by means of the data communication bus designed for this purpose.

## The Model Vista-128FB unit is powered from a Class II limited energy plug-in type transformer and two sealed lead acid batteries provide 24-hour standby capacity.

## The system shall be installed in accordance with the Manufacturer's Installation Instructions and the Canadian Electrical Code, Part I.

Model FA1600C is identical to Vista-100 except for model designation.